

DMS 1592

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form
OMB 1

00369

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME Titanium Metals Corp. of America, TIMET Division		EMERGENCY TELEPHONE NO. (702) 564-2544
ADDRESS (Number, Street, City, State, and ZIP Code) P. O. Box 2128, Henderson, NV 89015		
CHEMICAL NAME AND SYNONYMS Titanium Ti (metal)		TRADE NAME AND SYNONYMS Titanium metal (ingot)
CHEMICAL FAMILY Inorganic metal	FORMULA Ti	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL	100	
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	> 3000°C	SPECIFIC GRAVITY (H ₂ O=1)	45
VAPOR PRESSURE (mm Hg.)	n/a	PERCENT, VOLATILE BY VOLUME (%)	n/a
VAPOR DENSITY (AIR=1)	n/a	EVAPORATION RATE (_____ =1)	n/a
SOLUBILITY IN WATER	n/a		
APPEARANCE AND ODOR Grey metallic metal, no odor.			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	n/a	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA Will flash under extreme heat.				
SPECIAL FIRE FIGHTING PROCEDURES Extinguish with salts to reduce oxygen supply; dry NaCl, KCl, CaCl ₂				
UNUSUAL FIRE AND EXPLOSION HAZARDS Keep equipment grounded; refer to NFPA 481.				

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SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

n/a

EFFECTS OF OVEREXPOSURE

EMERGENCY AND FIRST AID PROCEDURES

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE X

INCOMPATIBILITY (Materials to avoid)

 H_2SO_4 , HCL, HF

HAZARDOUS DECOMPOSITION PRODUCTS

Hydrogen

HAZARDOUS
POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

X

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

n/a

WASTE DISPOSAL METHOD

n/a

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

n/a

VENTILATION

LOCAL EXHAUST

SPECIAL

MECHANICAL (General)

OTHER

PROTECTIVE GLOVES

Normal safety

EYE PROTECTION

Safety glasses

OTHER PROTECTIVE EQUIPMENT

Flame resistant coveralls

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Refer to NFPA 481 TITANIUM.

OTHER PRECAUTIONS